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This *Journal*, founded by the Medical Society for the Study of the Venereal Diseases, publishes original work on the investigation and treatment of genitourinary and allied disorders, and review articles, correspondence, and abstracts.

ADVICE TO AUTHORS Papers for publication, which will be accepted on the understanding that they have not been and will not be published elsewhere and are subject to editorial revision, should be sent in duplicate to **Prof A Mindel**, Academic Department of Sexual Health Medicine, Sydney Hospital, Macquarie Street, Sydney 2000, GPO Box 1614, Sydney, NSW, Australia. Tel: 61 2221 2800; Fax: 612 221 5810. All authors must give signed consent to publication. Submitted papers must be accompanied by the following statement, signed by all the authors: "No paper resembling the enclosed article has been or will be published except in *Genitourinary Medicine*. We transfer all copyright ownership to *Genitourinary Medicine*." If requested, authors shall produce the data upon which the manuscript is based for examination by the editor. Manuscripts will only be acknowledged if a stamped addressed postcard or international reply coupon is enclosed. Rejected papers will not be returned. Figures will be returned if requested at the time of submission.

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(7) **ONLY RECOGNISED ABBREVIATIONS** should be used.

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NOTICES

A register of HIV-infected individuals diagnosed in the UK in whom the date of seroconversion is known with reasonable precision is being set up. Its primary purpose is to enable the "incubation period" distribution from seroconversion to AIDS and death to be monitored but it will also provide the opportunity for other studies of this important group of HIV-infected individuals to be developed. It is a national project funded by the MRC and will be co-ordinated by the MRC HIV Clinical Trials Centre in collaboration with the PHLS AIDS Centre at Communicable Disease Surveillance Centre, the MRC HIV Epidemiology Co-ordinating Centre at University College London Medical School, and the University Department of Public Health at the Royal Free Hospital Medical School. A seroconverter is defined as an HIV seropositive person in whom a negative anti-HIV test has been performed *no more than three years* prior to the first positive test. Persons identified at the time of infection and prior to seroconversion (defined as "acute infection") will be included even in the absence of a negative test.

Clinicians and microbiologists are invited to participate by providing information on patients who meet this definition. Follow-up

information will be sought on most patients annually, and bi-annually on patients with a more recent seroconversion. This will include CD4 count, antiretroviral therapy, use of prophylaxis, and any AIDS defining events.

We hope that all clinicians caring for HIV infected persons will collaborate on this project and will help with case ascertainment. For further information please contact the Project Co-ordinator. Kholoud Porter, Project Co-ordinator on behalf of the Executive Committee for the UK Register of HIV Seroconverters (Dr Abdel Babiker, Dr Janet Darbyshire, Dr Anne Johnson, Dr Ahilya Noone, Dr Andrew Phillips) MRC HIV Clinical Trials Centre The Mortimer Market Centre, Mortimer Market (off Capper St), London WC1E 6AU Tel. 0171-380 9991/67, Fax no. 0171-380 9972, E-mail k.porter@mrc.ucl.ac.uk

Fifth European Course on HPV-Associated Pathology. 18-20 September 1995. University of Cambridge, UK

A distinguished international faculty will review the most recent developments in basic, diagnostic and therapeutic research of HPV-associated disease.

For further information contact: ECHPV '95 Secretariat, RSM Press Ltd., The Royal Society of Medicine, 1 Wimpole Street, London W1M 8AE, UK. Facsimile: +44 171 290 2929.

Additions to MSSVD Library, 1994

Carmichael, Richard *An essay on venereal diseases and the uses and abuses of mercury in their treatment*. London, Longman, 1825. Carmichael was an Irish surgeon with an extensive knowledge of venereology. Unusually for his day he believed in "a plurality of venereal poisons", and was sceptical about mercury.

Corrigan, Dominic John (1) *Aneurysm of the aorta: singular pulsation of the arteries, necessity of employment of the stethoscope*, (2) *On the permanent patency of the mouth of the aorta, or inadequacy of the aortic valves*. *Medical Classics* 1937;1:672-727. Corrigan's monographs on syphilitic disease of the aorta, reprinted here, were originally published in 1829 and 1832 respectively.

Hunter, John *A treatise on the venereal disease*. London, Nicol and Johnson, 1788. This is a beautifully produced edition of a famous work.

Hutchinson, Jonathan *Syphilis*. 2nd ed, London, Cassell & Co, 1909. The Library already has a copy of the first edition of this work, published in 1888.

Keogh, Alfred, Melville, CH, Leishmann, William, Pollock, CE, Harrison, LW. *A manual of venereal diseases*. London, Frowde, 1916. This book, published at the height of the First World War, was intended for the use of medical officers in the British Army.

Mracek, Franz. *Atlas of syphilis and the venereal diseases*. London, Saunders, 1900. Mracek was a Viennese physician. The water colours in the collection are vivid, and include some diseases not usually illustrated.

Nabarro, David. *Congenital syphilis*. London, Edward Arnold, 1954. This comprehensive work is of particular relevance today.

New Sydenham Society. *Selected essays—syphilis and small-pox*. London, New Sydenham Society, vol 194, 1906. Among other things, this book contains translations of Schaudinn and Hoffmann's papers on the discovery of *Spirochaeta pallida*, and Metchnikoff and Roux's experimental investigations of syphilis.

Oriel, John David. *The scars of Venus: a history of venereology*. London, Berlin, Springer Verlag, 1994.

The MSSVD Historical Library is housed in the Library of the Royal Society of Medicine, 1 Wimpole Street, London W1M 8AE

JD ORIEL, Honorary Librarian

Applications are invited for the post of

Editor

Genitourinary Medicine

After seven years as Editor of *Genitourinary Medicine* Adrian Mindel will be retiring from this post towards the end of 1995. Specialists in the management of sexually transmitted diseases are invited to apply for the post of Editor. Please send a letter of application, a curriculum vitae, and a short statement about the strengths and weaknesses of *Genitourinary Medicine* and your proposed editorial policy. Applications are welcomed from UK and non-UK specialists.

Closing date is 31 July 1995. Interviews will be held shortly afterwards to enable the successful candidate to take up the post as soon as possible.

Applications should be sent to

Richard Smith, Editor *BMJ*,

BMA House, Tavistock Square, London WC1H 9JR.

CURRENT PUBLICATIONS

Selected titles from recent reports published worldwide are arranged in the following sections:

Gonorrhoea
Chlamydia
Candidiasis
Bacterial vaginosis
Trichomoniasis
Syphilis and other treponematoses
Herpes
Human papillomavirus infection
Cervical cytology and colposcopy
Other sexually transmitted diseases
Public health and social aspects
Dermatology
Miscellaneous

Gonorrhoea

Acute gonococcal arthritis: an unusual host and pathogen combination.

DA LEWIS, LM POLLOCK, J RANDELL, P WILSON, PG KOPELMAN. *J Clin Pathol* 1995;48:86.

Indications for *Neisseria gonorrhoeae* cultures in children with suspected sexual abuse.

RA SICOLI, JD LOSEK, JM HUDLETT, D SMITH. *Arch Pediatr Adol Med* 1995;149:86.

Treating uncomplicated *Neisseria gonorrhoeae* infections: is the anatomic site of infection important?

JS MORAN. *Sex Transm Dis* 1995;22:39.

DNA gyrase mutations in quinolone-resistant clinical isolates of *Neisseria gonorrhoeae*.

T DEGUCHI, M YASUDA, M ASANO, *et al.* *Antimicrob Agents Chemother* 1995;39:561.

Evaluation of ligase chain reaction for use with urine for identification of *Neisseria gonorrhoeae* in females attending a sexually transmitted disease clinic.

KR SMITH, SF CHING, H LEE, Y OHASHI, HY HU, HC FISHER, EW HOOK. *J Clin Microbiol* 1995;33:455.

Duplex PCR system for simultaneous detection of *Neisseria gonorrhoeae* and *Chlamydia trachomatis* in clinical specimens.

KC WONG, BSW HO, SI EGGLESTONE, WHP LEWIS. *J Clin Pathol* 1995;48:101.

Comparison of GonoGen, GonoGen II and MicroTrak direct fluorescent-antibody test with carbohydrate fermentation for confirmation of culture isolates of *Neisseria gonorrhoeae*.

JA KELLOGG, LK ORWIG. *J Clin Microbiol* 1995;33:474.

Chlamydia

A new computer model for estimating the impact of vaccination protocols and its application to the study of *Chlamydia trachomatis* genital infections.

MA DELAMAZA, LM DELAMAZA. *Vaccine* 1995;13:119.

Non-invasive tests for *Chlamydia trachomatis*.

G SCOTT. *Lancet* 1995;345:207.

Detection of *Chlamydia trachomatis* antigens in male urethral swabs and urines with a microparticle enzyme immunoassay.

MA CHERNESKY, D JANG, J SELLORS, *et al.* *Sex Transm Dis* 1995;22:55.

Detection of *Chlamydia trachomatis* in individual and pooled endocervical and urethral scrapes by commercially available polymerase chain reaction.

G LISBY, J SCHEIBEL, LO ABRAHAMSSON, ES CHRISTENSEN, S PALOHEIMO. *APMIS* 1994;102:797.

Diagnosis of *Chlamydia trachomatis* genitourinary infection in women by ligase chain reaction assay of urine.

HH LEE, MA CHERNESKY, J SCHACHTER, *et al.* *Lancet* 1995;345:213.

Comparison of the Syva MicroTrak enzyme immunoassay and Abbott Chlamydiazyme in the detection of chlamydial infections in women.

MA OLSEN, AR SAMBOL, VA BOHNERT. *Arch Pathol Lab Med* 1995;119:153.

Solid-phase Clq-directed bacterial capture followed by PCR for detection of *Chlamydia trachomatis* in clinical specimens.

P HERBRINK, HAM VANDENMUNCKHOF, HGM NIESTERS, WHF GOESSENS, E STOLZ, WGV QUINT. *J Clin Microbiol* 1995;33:283.

Mycoplasma contamination of chlamydiae isolated from clinical specimens.

TO MESSMER, CM BLACK, WL THACKER. *APMIS* 1994;102:793.

Role of CD8 T cells in primary chlamydia infection.

DM MAGEE, DM WILLIAMS, JG SMITH, CA BLEICKER, BG GRUBBS, J SCHACTER, RG RANK. *Infect Immun* 1995;63:516.

Immune response characteristics in women with chlamydial genital tract infection.

DS CUNNINGHAM. *Gynecol Obstet Invest* 1995;39:54.

Increased incidence of oviduct pathology in the guinea pig after repeat vaginal inoculation with the chlamydial agent of guinea pig inclusion conjunctivitis.

RG RANK, MM SANDERS, DL PATTON. *Sex Transm Dis* 1995;22:48.

The effect of a single oral dose of azithromycin on chlamydial infertility and oviduct ultrastructure in mice.

M TUFFREY, C WOODS, C INMAN, M WARD. *J Antimicrob Chemother* 1994;34:989.

Identification of the *Chlamydia trachomatis* RecA-encoding gene.

DJ ZHANG, H FAN, G MCCLARTY, RC BRUNHAM. *Infect Immun* 1995;63:676.

Binding of type-1 collagen to *Chlamydia trachomatis*.

G FROMAN, K AMIN, A YACOUB, PA MARDH. *Microbial Pathogen* 1994;17:253.

In situ mycotoxin production by *Candida albicans* in women with vaginitis.

DT SHAH, DD GLOVER, B LARSEN. *Gynecol Obstet Invest* 1995;39:67.

Penetration and damage of endothelial cells by *Candida albicans*.

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Mice immunized by primary vaginal *Candida albicans* infection develop acquired vaginal mucosal immunity.

OK FIDEL, ME LYNCH, DH CONAWAY, L TAIT, JD SOBEL. *Infect Immun* 1995;63:547.

Degradation of humoral host defense by *Candida albicans* proteinase.

H KAMINISHI, H MIYAGUCHI, T TAMAKI, *et al.* *Infect Immun* 1995;63:984.

Bacterial vaginosis

Bacterial vaginosis.

RIK MACDERMOTT. *Br J Obstet Gynecol* 1995;102:92.

The amine test: a simple, rapid, inexpensive method for diagnosing bacterial vaginosis.

C SONNEX. *Br J Obstet Gynecol* 1995;102:160.

Plasma cell endometritis in women with symptomatic bacterial vaginosis.

AP KORN, G BOLAN, N PADIAN, M OHMSMITH, J SCHACHTER, DV LANDERS. *Obstet Gynecol* 1995;85:387.

A quantitative microbiologic study of bacterial vaginosis.

S ROY, M SHARMA, A AYYAGARI, S MALHOTRA. *Ind J Med Res* 1994;100:172.

Trichomoniasis

The mechanisms and molecules involved in cytoadherence and pathogenesis of *Trichomonas vaginalis*.

JF ALDERETE, MW LEHKER, R ARROYO. *Parasitol Today* 1995;11:70.

Syphilis and other treponematoses

Secondary syphilis with neurological symptoms in an HIV positive patient allergic to penicillin.

T KRAFFT, E MAYA, JP VANVOOREN, CM FARBER, A MICHILS, D PARENT. *Eur J Dermatol* 1995;5:50.

Lues maligna or ulceronodular syphilis in a man infected with human immunodeficiency virus: case report and review.

M SANDS, A MARKUS. *Clin Infect Dis* 1995;20:387.

Syphilis in San Diego County 1983-1992: crack cocaine, prostitution and the limitations of partner notification.

RA GUNN, JM MONTES, KE TOOMEY, *et al.* *Sex Transm Dis* 1995;22:60.

Congenital syphilis surveillance in upstate New York, 1989-1992: implications for prevention and clinical management.

FB COLES, SS HIPPI, GS SILBERSTEIN, JH CHEN. *J Infect Dis* 1995;171:732.

Candidiasis

***Candida albicans*, the life and times of a pathogenic yeast (Presidential address).**

FC ODDS. *J Med Vet Mycol* 1994;32:1.

Laboratory diagnosis and interpretation of tests for syphilis.

SA LARSEN, BM STEINER, AH RUDOLPH. *Clin Microbiol Rev* 1995;8:1.

Treponemicidal antibody measured by the "washed-killing" assay correlates with immunity in experimental rabbit syphilis.

MA LEWINSKI, JN MILLER, CI CHAMPION, *et al.* *Sex Transm Dis* 1995;22:31.

Recombinant antigen-based enzyme immunoassay for screening of *Treponema pallidum* antibodies in blood bank routine.

M ZREIN, I MAURE, F BOURSIER, L SOUFFLET. *J Clin Microbiol* 1995;33:525.

Herpes

Genital herpes during pregnancy: no lesions, no cesarean.

SW ROBERTS, SM COX, J DAX, GD WENDEL, KJ LEVENO. *Obstet Gynecol* 1995;85:261.

Cervical cancer and herpes simplex virus type 2: case-control studies in Spain and Colombia with special reference to immunoglobulin-G sub-classes.

N MUNOZ, I KATO, FX BOSCH, *et al.* *Int J Cancer* 1995;60:438.

Effect of imiquimod as an adjuvant for immunotherapy of genital HSV in guinea-pigs.

DI BERNSTEIN, CJ HARRISON, ER TEPE, A SHAHWAN, RL MILLER. *Vaccine* 1995;13:72.

Generation of humoral immune responses against herpes simplex virus type 2 in the murine female genital tract.

GN MILLIGAN, DI BERNSTEIN. *Virology* 1995;206:234.

Comparative studies of types 1 and 2 herpes simplex virus infection of cultured normal keratinocytes.

SJ SU, HH WU, YH LIN, HY LIN. *J Clin Pathol* 1995;48:75.

Sequence elements of the adeno-associated virus rep gene required for suppression of herpes simplex virus induced DNA amplification.

JA KLEINSCHMIDT, M MOHLER, FW WEINDLER, R HEILBRONN. *Virology* 1995;206:254.

Quantification of transcripts from the ICP4 and thymidine kinase genes in mouse ganglia latently infected with herpes simplex virus.

MF KRAMER, DM COEN. *J Virol* 1995;69:1389.

Human papillomavirus infection

Human papillomaviruses and cervical neoplasia. 2. Interaction of HPV with other factors.

CS HERRINGTON. *J Clin Pathol* 1995;48:1.

Strategies for global control of cervical cancer.

J PONTEN, JO ADAMI, R BERGSTROM, *et al.* *Int J Cancer* 1995;60:1.

The progression of noncontiguous intra-epithelial neoplasia in the lower urinary and genital tracts to invasive carcinoma.

LC SADLER, RW JONES. *Br J Obstet Gynaecol* 1995;102:162.

Periodic health examination, 1995 update: 1. Screening for human papillomavirus infection in asymptomatic women.

K JOHNSON. *Can Med Ass J* 1995;152:483.

Genital human papillomavirus infection among male and female partners: prevalence and type-specific concordance.

LA BAKEN, LA KOUTSKY, J KUYPERS, *et al.* *J Infect Dis* 1995;171:429.

Diagnosis of genital infection caused by human papillomavirus using in situ hybridization: the importance of the size of the biopsy specimen.

F GOMEZ, MT CORCUERA, E MUNOZ, *et al.* *J Clin Pathol* 1995;48:57.

Predictive value of human papillomavirus type for histological diagnosis of women with cervical cytological abnormalities.

MPM BURGER, H HOLLEMA, WJLM PIETERS, WGV QUINT. *BMJ* 1995;310:94.

Characterization of human papillomavirus type 16 activity in separate biopsies from a carcinoma of the cervix uteri.

D KIBE, J JANDA, KD JOHANNMEYER, S BERGMANN, U KIESSLING. *Virchows Archiv* 1994;425:473.

Demonstration of smoking-related DNA damage in cervical epithelium and correlation with human papillomavirus type 16 using exfoliated cervical cells.

AM SIMONS, CM VANHERCKENRODE, JA RODRIGUEZ, *et al.* *Br J Cancer* 1995;71:246.

Vulvar intraepithelial neoplasia: age, morphological phenotype, papillomavirus DNA and coexisting invasive carcinoma.

HK HAEFNER, JE TATE, CM MCLACHLIN, CP CRUM. *Hum Pathol* 1995;26:14.

Vulvar vestibulitis: a histopathologic study of 36 cases including human papillomavirus in situ hybridization analysis.

RA PRAYSON, MH STOLER, WR HART. *Am J Surg Pathol* 1995;19:154.

Anal human papillomavirus infection among homosexual and bisexual men: prevalence of type-specific infection and association with human immunodeficiency virus.

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The relationship of human papillomavirus to proliferation and ploidy in carcinoma of the anus.

AR NOFFSINGER, YZ HUI, L SUZUK, *et al.* *Cancer* 1995;75:958.

Intralesional interferon alpha-2b therapy for Buschke-Loewenstein tumor.

D TSAMBAOS, A MONASTIRLI, N KAPRANOS, S GEORGIOU, E PASMATZI, H BERGER. *Acta Derm Venereol* (Stockh) 1994;74:457.

Inactivation of papillomavirus by low concentrations of povidine-iodine.

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Risk of acquiring human papillomavirus from the plume produced by the carbon dioxide laser in the treatment of warts.

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Human papillomavirus type 18 DNA and E6-E7 mRNA are detected in squamous cell carcinoma and adenocarcinoma of the lung.

I KINOSHITA, H SODAKAAKITA, M SHINDOH, *et al.* *Br J Cancer* 1995;71:344.

A polymerase chain reaction-enzyme-linked immunosorbent assay method for detecting human papillomavirus in cervical carcinomas and high-grade cervical cancer precursors.

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Non-isotopic in situ hybridization of human papillomavirus on histologic sections: an amended protocol.

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Accuracy and interlaboratory reliability of human papillomavirus DNA testing by hybrid capture.

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Mechanisms of tumor suppressor protein inactivation by the human papillomavirus E6 and E7 oncoproteins.

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The E5 transforming proteins of the papillomaviruses.

D DIMAIO, L PETTI, ES HWANG. *Semin Virol* 1994;5:369.

The expression levels of the human papillomavirus type 16 E7 correlate with its transforming potential.

ZJ LIU, J GHAI, RS OSTROW, AJ FARAS. *Virology* 1995;207:260.

Serum antibody against unfused recombinant E7 protein of human papillomavirus type 16 in cervical cancer patients.

T FUJII, Y MATSUSHIMA, M YAJIMA, T SUGIMURA, M TERADA. *Jap J Cancer Res* 1995;86:28.

Genetic characterization of the human papillomavirus 18 E2 gene in clinical specimens suggests the presence of a subtype with decreased oncogenic potential.

JL HECHT, AS KADISH, G JIANG, RD BURK. *Int J Cancer* 1995;60:369.

Sequence variation in the extreme 5' end of the human papillomavirus type 6a long control region.

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Antibodies against linear and conformational epitopes of human papillomavirus type 16 that independently associate with incident cervical cancer.

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Postattachment neutralization of papillomaviruses by monoclonal and polyclonal antibodies.

ND CHRISTENSEN, NM CLADEL, CA REED. *Virology* 1995;207:136.

cis-Acting components of human papillomavirus DNA replication: Linker substitution analysis of the HPV type 11 origin.

J RUSSELL, MR BOTCHAN. *J Virol* 1995;69:651.

Two E2 binding sites alone are sufficient to function as the minimal origin of replication of human papillomavirus type 18 DNA.

F SVERDRUP, SA KHAN. *J Virol* 1995;69:1319.

Synthesis and assembly of virus-like particles of human papillomavirus type 6 and type 16 in fission yeast *Schizosaccharomyces pombe*.

T SASAGAWA, P PUSHKO, G STEERS, *et al.* *Virology* 1995;206:126.

Differentiation-dependent expression of E1-E4 proteins in cell lines maintaining episomes of human papillomavirus type 31b.

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Degradation of p53 only is not sufficient for the growth stimulatory effect of human papillomavirus 16 E6 oncoprotein in human embryonic fibroblasts.

H ISHIWATARI, N HAYASAKA, H INOUE, M YUTSUDO, A HAKURA. *J Med Virol* 1995;44:243.

Epithelial-to-mesenchymal transition in HPV-33-transfected cervical keratinocytes is associated with increased invasiveness and expression of gelatinase A.

C GILLES, M POLETTE, J PIETTE, P BIREMBAUT, JM FOIDART. *Int J Cancer* 1994;59:661.

Interferon- β strong cytopathic effect on human papillomavirus type 16-immortalized HPK-1A cell relationship to replication.

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Oct-1 activates the epithelial-specific enhancer of human papillomavirus type 16 via a synergistic interaction with NF1 at a conserved composite regulatory element.

M OCONNOR, HU BERNARD. *Virology* 1995;207:77.

Cervical cytology and colposcopy

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